

ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 12-13  
exact/norm bonds :  
6-9 7-8 7-10 8-9 8-13 10-11 11-12 12-13 12-15 13-14  
exact bonds :  
5-7  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
isolated ring systems :  
containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:CLASS 15:Atom

Element Count :

Node 15: Limited

N,N1-2

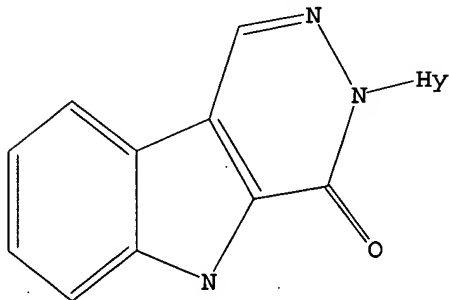
C,C4-10

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:02:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 191 TO ITERATE

100.0% PROCESSED 191 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2991 TO 4649

PROJECTED ANSWERS: 3 TO 162

L2 3 SEA.SSS SAM L1

Habte

11/27/2006

=> s l1 sss full  
FULL SEARCH INITIATED 14:02:36 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 3723 TO ITERATE

100.0% PROCESSED 3723 ITERATIONS 51 ANSWERS  
SEARCH TIME: 00.00.01

L3 51 SEA SSS FUL L1

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 14:02:40 ON 27 NOV 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Nov 2006 VOL 145 ISS 23  
FILE LAST UPDATED: 26 Nov 2006 (20061126/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3  
L4 2 L3

=> d ibib abs hitstr tot

own  
work

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003-136709 CAPLUS

DOCUMENT NUMBER: 139:307782

TITLE: Preparation of 3-heteroaryl-3,5-dihydro-4-oxo-4H-pyridazino[4,5-b]indole-1-acetamides as

benzodiazepine

receptor ligands for treatment of peripheral neuropathy and neurodegenerative diseases  
INVENTOR(S): Proissant, Jacques; Marabout, Benoit; Marguet, Frank; Puech, FredericPATENT ASSIGNEE(S): Sanofi-Synthelabo, Fr.  
SOURCE: PCT Int. Appl., 25 pp.  
CODEN: PIXK22

DOCUMENT TYPE: Patent

LANGUAGE: French

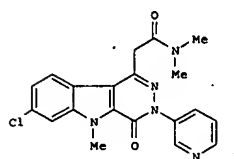
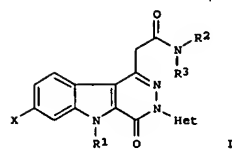
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003082874	A2	20031009	WO 2003-FR1027	20030402
WO 2003082874	A3	20040401		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GT, GW, ML, MR, NE, SN, TD, TG			
FR 2838124	A1	20041010	FR 2002-4158	20020403
FR 2838124	B1	20040528		
CA 2481460	AA	20031009	CA 2003-2481460	20030402
AU 2003240930	A1	20031012	AU 2003-240930	20030402
EP 1492792	A2	20050105	EP 2003-730299	20030402
EP 1492792	B1	20060329		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 200309018	A	20050201	BR 2003-9018	20030402
US 2005124615	A1	20050609	US 2003-509695	20030402
CN 1656099	A	20050817	CN 2003-812222	20030402
JP 2005527566	T2	20050915	JP 2003-580339	20030402
AT 321763	E	20060415	AT 2003-730299	20030402
PT 1492792	T	20060831	PT 2003-730299	20030402
NO 2004004153	A	20041227	NO 2004-4153	20040930
ZA 2004007945	A	20051003	ZA 2004-7945	20041001
PRIORITY APPLN. INFO.:			FR 2002-4158	A 20020403
			WO 2003-FR1027	W 20030402

OTHER SOURCE(S): MARPAT 139:307782  
GI

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB Title compds. I (wherein X = H, halo; R1 = H, alkyl; R2, R3 = independently H, alkyl; NR2R3 = pyrrolidinyl, piperidinyl, morpholinyl, alkylpiperazinyl; Het = (un)substituted pyridinyl, quinolinyl, isquinolinyl, pyrimidinyl, pyrazinyl, pyridazinyl; their salts, solvates or hydrates, and pharmaceutical compns.) were prepared as peripheral benzodiazepine receptor ligands. For example, II=HCl (m.p. = 250-252\*) was prepared by condensation of Me 6-chloro-1-methyl-1H-indole-2-carboxylate with Et 3-chloro-3-oxopropanoate in DCE in the presence of TiCl4 for 12 h at room temperature, amidation with dimethylamine in toluene in the presence of DMAP, cyclization with hydrazine in toluene in the presence of catalytic amts. of PTSA, followed by N-arylation of the pyridazino[4,5-b]indole intermediate with 2-(pyridin-3-yl)-1,3,2-dioxaborinane in the presence of pyridine/TEA/Cu(OAc)2/mol. sieves. I inhibited [3H]Ro5-4864 binding to the peripheral benzodiazepine receptor in vitro with IC50 in the range of 1-200 nM. I increased neuron survival by 10-30% in a facial nerve lesion assay in 4-day old rats. I are useful as neuroprotectants for treatment of peripheral neuropathy and neurodegenerative diseases (no data).

IT 610768-13-3P, 7-Fluoro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole 610768-14-4P, 7-Fluoro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole hydrochloride 610768-15-5P,

7-Fluoro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-4-

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole hydrochloride 610768-16-6P, 7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-2-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole 610768-17-7P, 7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole 610768-18-8P, 7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole hydrochloride 610768-19-9P,

7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-4-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole hydrochloride 610768-20-2P, 7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(6-methyl-pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole 610768-21-3P, 7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole 610768-22-4P, 7-Chloro-5-methyl-4-oxo-1-[(N,N-dimethylaminocarbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole hydrochloride 610768-23-5P,

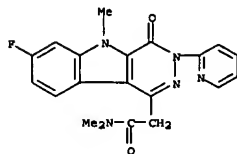
7-Chloro-5-methyl-4-oxo-1-[(pyrrolidin-1-yl)carbonyl)methyl]-3-(pyridin-3-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole 610768-24-6P,

7-Chloro-5-methyl-4-oxo-1-[(pyrrolidin-1-yl)carbonyl)methyl]-3-(pyridin-4-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole hydrochloride

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

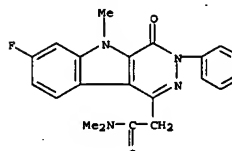
(benzodiazepine receptor ligand; prepn. of heteroaryl dihydrooxo pyridazinoindoleacetamides as peripheral benzodiazepine receptor ligands)

RN 610768-13-3 CAPLUS  
CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)



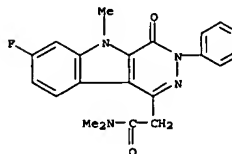
RN 610768-14-4 CAPLUS  
CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



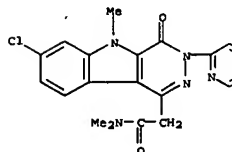
● HCl

RN 610768-15-5 CAPLUS  
CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

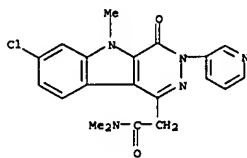


● HCl

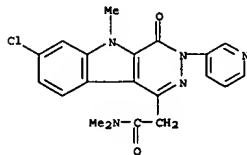
RN 610768-16-6 CAPLUS  
CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 610768-17-7 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)



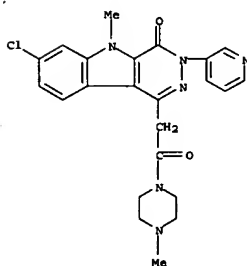
RN 610768-18-8 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

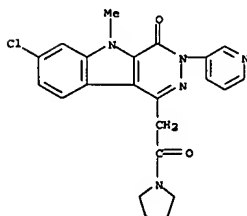
RN 610768-19-9 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 610768-22-4 CAPLUS  
 CN Piperazine, 1-[[7-chloro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]acetyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



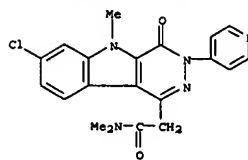
● HCl

RN 610768-23-5 CAPLUS  
 CN Pyrrolidine, 1-[[7-chloro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]acetyl]- (9CI) (CA INDEX NAME)



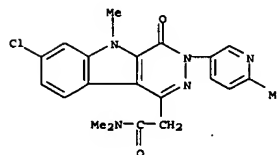
RN 610768-24-6 CAPLUS  
 CN Pyrrolidine, 1-[[7-chloro-4,5-dihydro-5-methyl-4-oxo-3-(4-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]acetyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

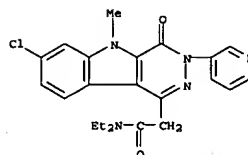


● HCl

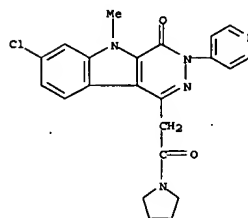
RN 610768-20-2 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-3-(6-methyl-3-pyridinyl)-4-oxo- (9CI) (CA INDEX NAME)



RN 610768-21-3 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-acetamide, 7-chloro-N,N-diethyl-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



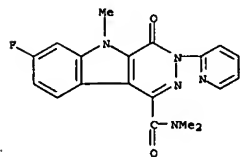
● HCl

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2003:492189 CAPLUS  
 DOCUMENT NUMBER: 139:69291  
 TITLE: 3-Heteroaryl-3,5-dihydro-4-oxo-4H-pyridazino[4,5-b]indole-1-carboxamide derivatives, their preparation, and their application in therapeutics  
 INVENTOR(S): Burnier, Philippe; Froissant, Jacques; Marabout, Benoit; Marguet, Frank; Puech, Frederic  
 PATENT ASSIGNEE(S): Sanoft-Synthelabo S.A., Fr.  
 SOURCE: Fr. Demande, 37 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

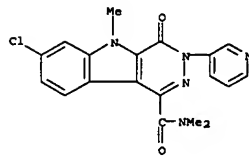
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2833953	A1	20030627	FR 2001-16701	20011221
FR 2833953	B1	20041203		
CA 2465750	AA	20030710	CA 2002-2465750	20021120
WO 2003055884	A1	20030710	WO 2002-FR3979	20021120
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002361325	A1	20030715	AU 2002-361325	20021120
EP 1458721	A1	20040922	EP 2002-796852	20021120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002015174	A	20041130	BR 2002-15174	20021120
HU 200402578	A2	20050329	HU 2004-2578	20021120
CN 1604898	A	20050406	CN 2002-825335	20021120
JP 2005513158	T2	20050512	JP 2003-556414	20021120
ZA 2004004245	A	20050531	ZA 2004-4245	20040531
NO 2004002536	A	20040921	NO 2004-2536	20040617
US 2005096321	A1	20050505	US 2004-499725	20040621
US 7109194	B2	20060919		
US 2006241116	A1	20061026	US 2006-427508	20060629
PRIORITY APPL. INFO.:			FR 2001-16701	A 20011221
			WO 2002-FR3979	W 20021120
			WO 2002-FR5338	W 20021120
			US 2004-499725	A1 20040621

OTHER SOURCE(S): MARPAT 139:69291  
 GI

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 550349-42-3P 550349-44-5P 550349-46-7P  
 550349-48-9P 550349-49-0P 550349-50-3P  
 550349-51-4P 550349-52-5P 550349-53-6P  
 550349-54-7P 550349-55-8P 550349-56-9P  
 550349-57-0P 550349-58-1P 550349-59-2P  
 550349-60-5P 550349-61-6P 550349-62-7P  
 550349-63-8P 550349-64-9P 550349-65-0P  
 550349-66-1P 550349-67-2P 550349-68-3P  
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (heteroaryldihydrooxypyridazinonoldecaboxamide derivs. for neuroprotectants)  
 RN 550349-28-5 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)



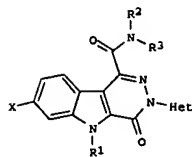
RN 550349-36-5 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

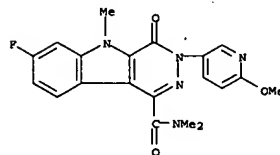
RN 550349-39-8 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-3-(6-methoxy-3-pyridinyl)-N,N,5-trimethyl-4-oxo- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

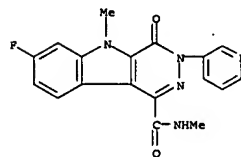


AB The invention has as an aim the compds. of general formula I in which X represents an atom of hydrogen or halogen; R represents a hydrogen atom or  
 or  
 C1-4 alkyl; R2 and R3 represent each one, independently one of the other, a hydrogen atom or C1-4 alkyl, or R2 and R3 form, with the nitrogen atom which carries them, a pyrrolidinyl group, piperidinyl, morpholinyl or 4-alkylpiperazinyl; and Het represents a heteroarom. group of pyridinyl, quinolinyl, isoquinolinyl, pyrimidinyl, pyrazinyl, pyridazinyl; the heteroarom. group being able to carry one or more atoms of halogen and/or one or more C1-4 alkyl, C1-4 alkoxy; as bases, additive salts with acids, solvates or hydrates; pharmaceutical compns. containing these compds., and the process for prepn of them and of intermediates of the synthesis. These compds. increase the neuron survival by 10-30% in 4-day old rats. Thus, adding 54 g 4-fluoro-2-nitrotoluene in THF to THF-MeOH containing 47 g KOCHMe3, and 61.2 g Et oxalate at -5°, stirring 12 h at room temperature, dissolving the resulting K salts in EtOH, adding small portions of 80 mL HCl at 0°, portionwise adding 35 g Fe, heating 5 h at reflux, adding 12 mL MeI in DMP to suspension of 7.9 g NaH and 36.1 g resulting Me 6-fluoro-1H-indole-2-carboxylate containing 10-20% Et ester in DMP, stirring 12 h, adding 10 g resulting Me 6-fluoro-1-methyl-1H-indole-2-carboxylate containing 10-20% Et ester to a mixture containing Et chlorooxalacetate 6.7, 1,2-dichloroethane 220 mL, and TiCl4 6.6 mL at 0°, stirring 12 h at room temperature, refluxing 0.4 g resulting Et 6-fluoro-2-(methoxycarbonyl)-1-methyl-α-oxo-1H-indole-3-acetate containing 10-20% 2-ethoxycarbonyl derivative with several drops of HOAc and 0.6 g 2-pyridinylhydrazine in EtOH for 17 h, and amidating the resulting Et 7-fluoro-5-methyl-4-oxo-3-(pyridin-2-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole-1-carboxylate gave I (X = F, R1 = R2 = R3 = Me, Het = 2-pyridinyl).  
 IT 550349-28-5P 550349-36-5P 550349-39-8P

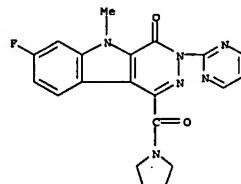
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



RN 550349-42-3 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-N,5-dimethyl-4-oxo-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

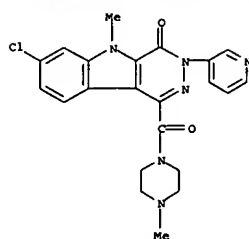


RN 550349-44-5 CAPLUS  
 CN Pyrrolidine, 1-[[7-fluoro-4,5-dihydro-5-methyl-4-oxo-3-(2-pyrimidinyl)-3H-pyridazino[4,5-b]indol-1-yl]carbonyl]- (9CI) (CA INDEX NAME)



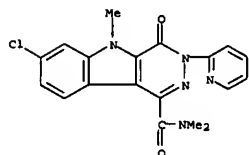
RN 550349-46-7 CAPLUS  
 CN Piperazine, 1-[[7-chloro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]carbonyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



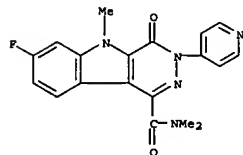
● HCl

RN 550349-48-9 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)



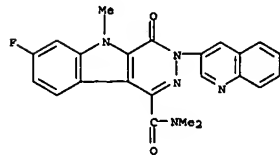
RN 550349-49-0 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



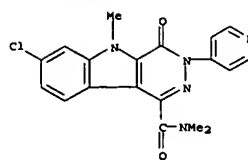
● HCl

RN 550349-52-5 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)



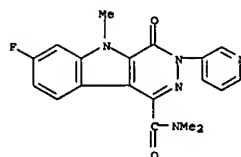
RN 550349-53-6 CAPLUS  
 CN Piperazine, 1-[[7-fluoro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]carbonyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



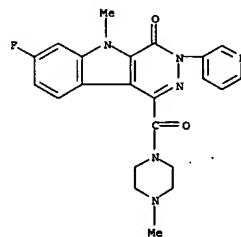
● HCl

RN 550349-50-3 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)



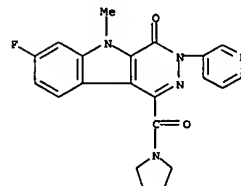
RN 550349-51-4 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(4-pyridinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



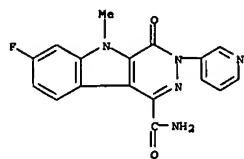
● HCl

RN 550349-54-7 CAPLUS  
 CN Pyrrolidine, 1-[[7-fluoro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]carbonyl]- (9CI) (CA INDEX NAME)

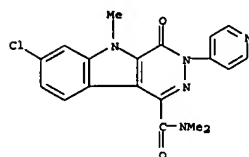


RN 550349-55-8 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-fluoro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)- (9CI) (CA INDEX NAME)

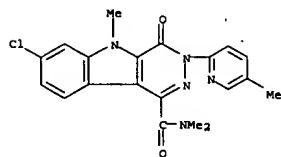
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 550349-56-9 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)

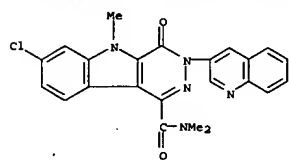


RN 550349-57-0 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-3-(5-methyl-2-pyridinyl)-4-oxo- (9CI) (CA INDEX NAME)

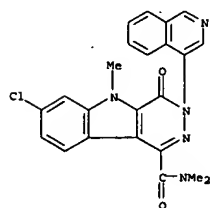


RN 550349-58-1 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-3-(6-methoxy-3-pyridinyl)-N,N,5-trimethyl-4-oxo- (9CI) (CA INDEX NAME)

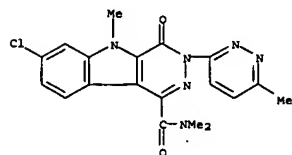
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 550349-62-7 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-3-(4-isoquinolinyl)-N,N,5-trimethyl-4-oxo- (9CI) (CA INDEX NAME)

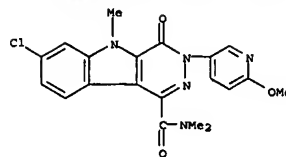


RN 550349-63-8 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-3-(6-methyl-3-pyridazinyl)-4-oxo- (9CI) (CA INDEX NAME)

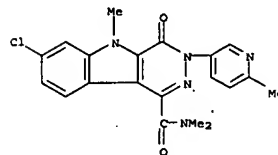


RN 550349-64-9 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(5-pyrimidinyl)- (9CI) (CA INDEX NAME)

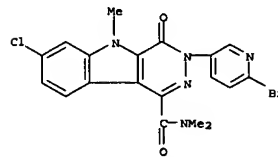
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 550349-59-2 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-3-(6-methyl-3-pyridinyl)-4-oxo- (9CI) (CA INDEX NAME)

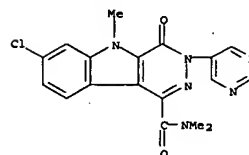


RN 550349-60-5 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 3-(6-bromo-3-pyridinyl)-7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo- (9CI) (CA INDEX NAME)

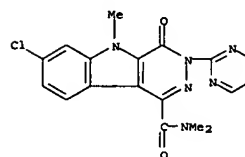


RN 550349-61-6 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(3-quinolinyl)- (9CI) (CA INDEX NAME)

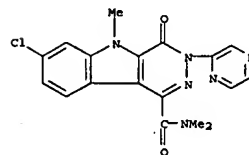
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 550349-65-0 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-(2-pyrimidinyl)- (9CI) (CA INDEX NAME)

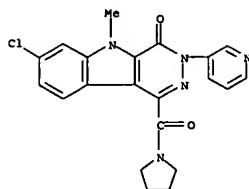


RN 550349-66-1 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxamide, 7-chloro-4,5-dihydro-N,N,5-trimethyl-4-oxo-3-pyrazinyl- (9CI) (CA INDEX NAME)



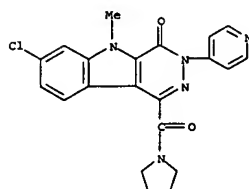
RN 550349-67-2 CAPLUS  
 CN Pyrrolidine, 1-[[7-chloro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]carbonyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



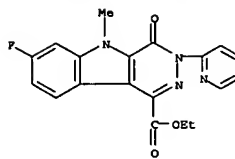
● HCl

RN 550349-68-3 CAPLUS  
 CN Pyrrolidine, 1-[[7-chloro-4,5-dihydro-5-methyl-4-oxo-3-(4-pyridinyl)-3H-pyridazino[4,5-b]indol-1-yl]carbonyl]- (9CI) (CA INDEX NAME)

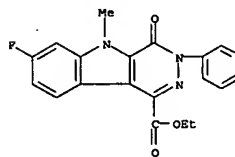


IT 550349-35-4P 550349-43-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (precursor; heteroaryldihydrooxopyridazinondolecarboxamide derivs. for neuroprotectants)  
 RN 550349-35-4 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxylic acid, 7-fluoro-4,5-dihydro-5-methyl-4-oxo-3-(2-pyridinyl)-, ethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 550349-43-4 CAPLUS  
 CN 3H-Pyridazino[4,5-b]indole-1-carboxylic acid, 7-fluoro-4,5-dihydro-5-methyl-4-oxo-3-(3-pyridinyl)-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RS  
 FORMAT